

15 Park Avenue
Gaithersburg, MD 20877

Memorandum

From: Steve Willis
To: Wayne Miller
Date: April 4, 2018
Subject: April 3, 2018 Site visit to observe site activities at Former Williams Air Force Base.

Mr. Miller:

I conducted a site visit to the Former Williams Air Force Base on April 3, 2018 to observe and document drilling activities associated with the investigation of Per- and PolyfluoroAlkyl Substances (PFAS), as well as groundwater sampling and deployment of BioTrap® samplers at site ST012.

Drilling Activities

Yellow Jacket Drilling (YJD) continued drilling of well WILPMW012, located in the Western Burn Pit at Site FT002 (AFFF Area 20). Drilling had halted at a depth of 54-ft. on March 29, prior to YJD and the Aerostar field crews de-mobilizing from the site. Drilling continued to a depth of 100-ft. at the end of the day. The drill cuttings to a depth of 100-ft. consisted mainly of silt, with minor sand, gravel, and clay. The highest PID reading was 2.6 ppm at 45-ft. Groundwater had not yet been encountered.

ST012 Groundwater Sampling

An AMEC sampling team (Kyle Keegan and Rich Johnson) was onsite to deploy BioTrap® samplers to gather baseline biological data for the site ST012 Enhanced Bioremediation program. I observed samplers being deployed in wells CZ20, UWBZ24, and UWBZ31. An additional BioTrap® sampler was installed in well CZ02 on the previous day. Due to excessive heat remaining in the wells following Steam Enhanced Extraction remedial activities, depth to groundwater was not measured in the wells prior to sampler deployment. The BioTrap® samplers were set at 150-ft below the top of the well casing (TOC) in the CZ wells, 185-ft. below TOC in well UWBZ24, and 180-ft. below TOC in well UWBZ-31. Immediately prior to BioTrap® deployment, groundwater samples were collected from each well for analysis of VOCs, metals, and sulfate using a Solinst Discrete Interval Sampler. The Solinst sampler subsequently failed when attempting to collect groundwater samples from well LSZ10, therefore halting sampling activities for the day.

Attachment 1 includes site photos taken during the visit.

Please contact me at (480) 316-3373 or e-mail at steve@uxopro.com if you have comments or questions regarding this memorandum.

Thank you,

A handwritten signature in cursive script, appearing to read "Steve Will".

UXOPro, Inc.

ATTACHMENT 1
SITE PHOTOS

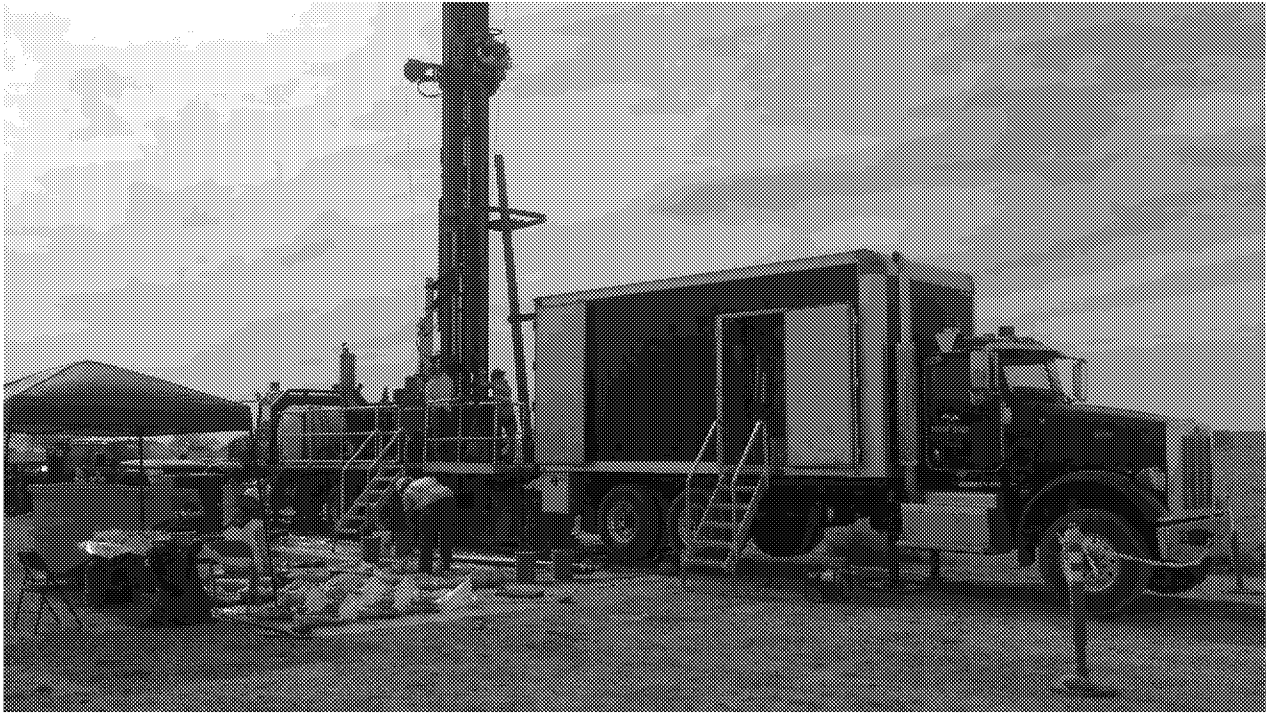


Photo 1. Drill rig set up on well WILPMW012.



Photo 2. Collecting a groundwater sample from well UWBZ24 using the Solinst Discrete Interval Sampler.



Photo 3. Deploying the BioTrap® sampler into well CZ20.

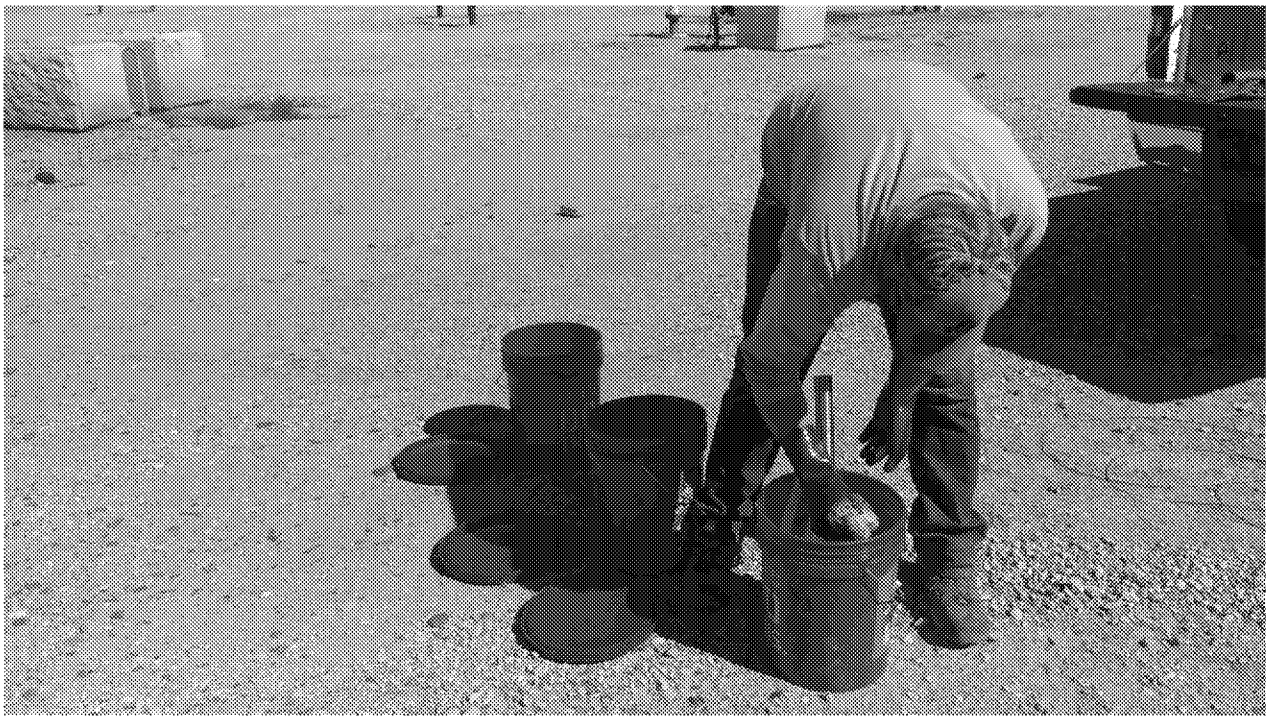


Photo 4. Decontaminating the Discrete Interval Sampler.